

Upper Cape Cod Cancer Incidence Review

Table 9 -- Standardized Incidence Ratios for Sensitivity Analyses

Unadjusted and Adjusted Standardized Incidence Ratios for Total Cancer					
1986-1994					
			Town and Sex Specific Adjustments		
Town	Unadjusted	Total Upper Cape Adjustment	Duplicates, Non-UC Residents, Unmapped Cases	Shift Between UC Towns	Total Town Specific Adjustment
Upper Cape Cod	111	113	-	-	-
Males	112	114	-	-	-
Females	110	112	-	-	-
Barnstable	107	109	110	107	111
Males	107	109	110	108	111
Females	107	109	111	107	111
Bourne	109	111	111	110	112
Males	109	110	110	109	110
Females	109	111	111	111	114
Falmouth	118	120	119	118	119
Males	121	123	122	121	123
Females	115	117	116	115	116
Mashpee	116	118	118	114	116
Males	131	133	134	128	131
Females	101	102	101	99	99
Sandwich	104	106	104	103	103
Males	109	111	110	109	109
Females	99	100	99	98	98

Column Definitions:

Unadjusted = SIRs calculated using unadjusted expected numbers of cancers.

Total Upper Cape Adjustment = The expected numbers were multiplied by the percent of the total Upper Cape cases listed by the MCR excluded because they were duplicate reports, non-Upper Cape residents or an unmappable address (constant = $1 - 107/6244 = 0.9829$). The expected numbers were multiplied by 0.9829, regardless of sex or town.

Duplicate, Non-UC residence, Unmapped Cases = Expected numbers were adjusted for the percent of sex and town specific exclusions due to duplicate case reports, non-Upper Cape residence or unmappable addresses ($1 - [\text{number of town \& sex specific exclusions} / \text{number of town \& sex specific MCR original cases}]$).

Shift Between UC Towns = town and sex specific constant reflecting the percent of net cases that shifted from one Upper Cape town to another (Please bear in mind that some towns had a net loss and others had a gain).

Total Town and Sex Specific Adjustment = adjusted for the sum of the exclusions due to duplicate reports, non-Upper Cape residents, unmappable addresses and net shift of cases across Upper Cape towns. Again this is the sum of town and sex specific adjustment.

The adjustment constants, 95% Confidence Intervals, observed and expected numbers of cancers accompanying these SIRs are located in Appendix E.